

Title (en)
Aircraft inerting system

Title (de)
Flugzeuginertisierungssystem

Title (fr)
Système d'inertage d'aéronef

Publication
EP 2772436 A3 20160302 (EN)

Application
EP 14156709 A 20140226

Priority
GB 201303527 A 20130228

Abstract (en)
[origin: EP2772436A2] A method of controlling a flow rate of inerting gas introduced into a vented aircraft fuel tank, the method comprising: monitoring changes in a quantity of a fuel in the aircraft fuel tank; monitoring changes in the ambient air pressure external to the aircraft fuel tank; and actively controlling a flow rate of inerting gas, m(l), introduced into the aircraft fuel tank based upon changes in the quantity of fuel in the fuel tank and changes in the ambient air pressure, p. Also, an aircraft including a vented fuel tank, a supply of inerting gas for rendering inert the fuel tank ullage, and a controller for performing the method.

IPC 8 full level
B64D 37/32 (2006.01)

CPC (source: EP US)
B64D 37/06 (2013.01 - EP US); **B64D 37/32** (2013.01 - EP US); **B64D 2041/005** (2013.01 - EP US); **Y02T 50/40** (2013.01 - EP US); **Y02T 90/40** (2013.01 - EP US); **Y10T 137/0379** (2015.04 - EP US); **Y10T 137/3099** (2015.04 - EP US)

Citation (search report)

- [A] US 2006021652 A1 20060202 - SURAWSKI ERIC [US]
- [A] US 2004035461 A1 20040226 - SUSKO KENNETH [US]
- [A] GB 2411352 A 20050831 - FR HITEMP LTD [GB]
- [A] US 2007054610 A1 20070308 - JENSEN BRYAN D [US]

Cited by
EP3128298A1; US2017038238A1; CN106441486A; US10060781B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2772436 A2 20140903; EP 2772436 A3 20160302; EP 2772436 B1 20170426; CN 104015930 A 20140903; GB 201303527 D0 20130410; US 2014238501 A1 20140828; US 9567094 B2 20170214

DOCDB simple family (application)
EP 14156709 A 20140226; CN 201410073782 A 20140228; GB 201303527 A 20130228; US 201414194545 A 20140228